Äpproved For Release 2000/087. PP75-00662R000100190033-8

Office Memorandum UNITED STATES GOVERNMENT

SECURITY INFORMATION

Acting Chief, A/EC THRU : Chief, Materials Division Acting Chief, Ferrous Metals Branch

DATE: 11 December 1951

SUBJECT:

Project No. 110-51. "Economic Capabilities of the Soviet Bloc to Support a General War." Steel Consumption.

25X1A9a

During the recent meeting which you and held with Ferrous Metals Branch, the question arose as to whether steel would best be reported in terms of rolled products or raw steel. writer has discussed this matter with (Chief, D/I) 25X1A9a and we have arrived at the conclusion that the best unit would be in terms of raw steel.

We based our conclusion mainly on the fact that an appreciable amount of steel consumed is not from the finished rolled product stage, but consists of forgings which are made from semi-finished material, namely blooms and billets and in the case of some heavy forgings directly from the ingot stage. Rather than to convert such items into terms of rolled products, it is more accurate to convert everything back to raw steel.

In order to be consistent all analysts including the military estimating steel consumption should use the same conversion factors. The following factors are fairly representative of USSR industry:

Pr	oduct		% Yield Fr to Product	om
3. 4. 5. 6.	Blooms, billets, slabs (except shell steel Billets (shell steel) Rails Pipes and tubes Plates (rolled armor) Rolled bars for shell steel Forgings (before machining))	85. 70. 75. 68. 55.	
8. 9.	a) Armor plate b) Others(press, open hammer, drop and a Wheels and axles All other finished rolled steel Fabricated products (end items)-will vary be determined best by the analyst in charge	with the	55. 57. 60. 72. product and	nd c an